

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Mowilith LDM 7991

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2020/08/25	000000034108	Date of first issue: 2020/08/25

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Mowilith LDM 7991

Product code : 000000000021006567

Chemical nature : Water-borne polymer emulsion.

#### Manufacturer or supplier's details

Company : Celanese (Shanghai) International Trading Co., Ltd  
赛拉尼斯(上海)国际贸易有限公司

Address : 4560 Jinke Road, Zhangjiang, Pudong  
Shanghai, China 020 201210

Telephone : 86-21-38619288

Emergency telephone number : CHEMTREC International phone number: +1-703-527 3887,  
+86 532 8388-9090 (China, 24h)

E-mail address : HazCom@celanese.com

#### Recommended use of the chemical and restrictions on use

Recommended use : For industrial use only.

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance	: liquid
Colour	: white
Odour	: ester-like

Not a hazardous substance or mixture.

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Physical and chemical hazards

Not classified based on available information.

#### Health hazards

Not classified based on available information.

#### Environmental hazards

Not classified based on available information.

#### Other hazards which do not result in classification

None known.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Mowilith LDM 7991

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2020/08/25	000000034108	Date of first issue: 2020/08/25

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
methanol	67-56-1	$\geq 0.1$ - $< 1$

### 4. FIRST AID MEASURES

- General advice : Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : Treat symptomatically.

### 5. FIREFIGHTING MEASURES

- Specific extinguishing methods : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

- Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

### 7. HANDLING AND STORAGE

#### Handling

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Mowilith LDM 7991

Version 1.0      Revision Date: 2020/08/25      SDS Number: 000000034108      Date of last issue: -  
Date of first issue: 2020/08/25

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

Avoidance of contact : Water-reactive substances

Not applicable

### Storage

Conditions for safe storage : Agitate before use  
Keep at temperatures between 5°C and 35°C (40°F and 95°F)  
Keep tightly closed in a dry and cool place.  
Protect from frost  
To maintain product quality, do not store in heat or direct sunlight.

Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : No materials to be especially mentioned.

Further information on storage stability : No decomposition if stored and applied as directed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
methanol	67-56-1	PC-TWA	25 mg/m <sup>3</sup>	CN OEL
	Further information: Skin			
		PC-STEL	50 mg/m <sup>3</sup>	CN OEL
	Further information: Skin			
		TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH

### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
methanol	67-56-1	Methanol	Urine	End of shift (As soon as possible after exposure ceases)	15 mg/l	ACGIH BEI

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Mowilith LDM 7991

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2020/08/25	000000034108	Date of first issue: 2020/08/25

### Personal protective equipment

Respiratory protection	:	No personal respiratory protective equipment normally required.
Eye/face protection	:	Safety glasses
Skin and body protection	:	Protective suit
Hand protection	:	
Material	:	Nitrile rubber
Break through time	:	> 480 min
Glove thickness	:	0.4 mm
Protective index	:	Class 6
Hygiene measures	:	General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	white
Odour	:	ester-like
pH	:	8.0 - 9.0 Method: ISO 976
Melting point/range	:	ca. 0 °C
Boiling point/boiling range	:	ca. 100 °C (1,013 hPa)
Flash point	:	boils before flash
Flammability (solid, gas)	:	The product is not flammable.
Vapour pressure	:	24 hPa (20 °C)
Density	:	0.95 - 1.1 g/cm <sup>3</sup> (25 °C) Method: ISO 2811-3
Solubility(ies)	:	
Water solubility	:	miscible
Viscosity	:	
Viscosity, dynamic	:	200 - 800 mPa.s ( 25 °C) Method: Brookfield Visc. RVT Sp. 2 / 20 r.p.m.

## 10. STABILITY AND REACTIVITY

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Mowilith LDM 7991

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2020/08/25	000000034108	Date of first issue: 2020/08/25

---

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	:	No data available
Incompatible materials	:	Water-reactive substances  Not applicable
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

---

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Components:

##### methanol:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50: > 5 mg/l Exposure time: 4 h
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg

#### Skin corrosion/irritation

Not classified based on available information.

#### Components:

##### methanol:

Result	:	irritating
--------	---	------------

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Components:

##### methanol:

Species	:	Rabbit
Result	:	Eye irritation

#### Respiratory or skin sensitisation

##### Skin sensitisation

Not classified based on available information.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Mowilith LDM 7991

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2020/08/25	000000034108	Date of first issue: 2020/08/25

---

### Respiratory sensitisation

Not classified based on available information.

#### Components:

##### methanol:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Result	:	Does not cause skin sensitisation.

### Germ cell mutagenicity

Not classified based on available information.

#### Components:

##### methanol:

Genotoxicity in vivo	:	Remarks: ambiguous
----------------------	---	--------------------

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

#### Components:

##### methanol:

Effects on foetal development	:	Developmental Toxicity: 5,000 Result: Some indication of developmental toxicity in animals at non-physiological levels
-------------------------------	---	---

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks	:	No data available
---------	---	-------------------

---

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### methanol:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 28,000 mg/l Exposure time: 96 h
------------------	---	---

---

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Mowilith LDM 7991

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2020/08/25	000000034108	Date of first issue: 2020/08/25

---

Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 24,500 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	(Selenastrum capricornutum (green algae)): 7.1 mg/l
Toxicity to fish (Chronic toxicity)	:	LC50 (Lepomis macrochirus (Bluegill sunfish)): 15,400 mg/l Exposure time: 96 h Test Type: flow-through test

### Persistence and degradability

#### Product:

Biodegradability	:	Result: Not readily biodegradable. Method: OECD Test Guideline 302B
Chemical Oxygen Demand (COD)	:	ca. 900 mg/g Method: Calculation method

#### Components:

##### **methanol:**

Biodegradability	:	Biodegradation: 48 % Exposure time: 5 d
------------------	---	--

### Bioaccumulative potential

#### Components:

##### **methanol:**

Bioaccumulation	:	Bioconcentration factor (BCF): < 10 Remarks: Does not significantly accumulate in organisms.
-----------------	---	---

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information	:	No data available
-----------------------------------	---	-------------------

#### Components:

##### **methanol:**

Results of PBT and vPvB assessment	:	The substance does not meet the criteria for PBT / vPvB according to REACH, Annex XIII
------------------------------------	---	--

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Mowilith LDM 7991

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2020/08/25	000000034108	Date of first issue: 2020/08/25

### 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

##### GB 6944/12268

Not regulated as a dangerous good

#### Special precautions for user

Not applicable

### 15. REGULATORY INFORMATION

#### National regulatory information

Law on the Prevention and Control of Occupational Diseases

### 16. OTHER INFORMATION

Date format : yyyy/mm/dd

#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)  
CN OEL : Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.

ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit  
CN OEL / PC-TWA : Permissible concentration - time weighted average  
CN OEL / PC-STEEL : Permissible concentration - short term exposure limit



# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Mowilith LDM 7991

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2020/08/25	000000034108	Date of first issue: 2020/08/25

AICS - Australian Inventory of Chemical Substances; AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

CN / EN